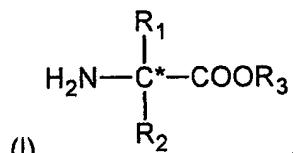


CLAIMS

1. Use as a sag control agent in a coating composition of a rheology modification agent obtainable by reacting one or more polyisocyanates with one or more optically active amino acids, esters and/or salts thereof of the general formula

5



not as racemic mixture, wherein each of R_1 , R_2 , and R_3 is independently selected from hydrogen and linear or branched, substituted or unsubstituted, saturated or unsaturated hydrocarbyl or heteroatom containing group, with each of R_1 and R_2 being different such that the carbon atom C^* is a chiral centre.

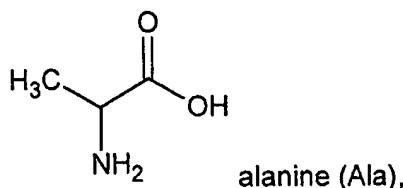
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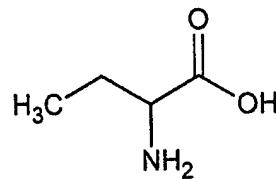
2. Use according to claim 1 wherein the one or more polyisocyanates are selected from the group consisting of substituted or unsubstituted linear aliphatic polyisocyanates with an even number of carbon atoms in the chain between two isocyanate groups, as well as condensed dimer and trimer derivatives such as uretdione, isocyanurate or biuret trimers, and substituted or unsubstituted arylene, aralkylene, and cyclohexylene polyisocyanates.

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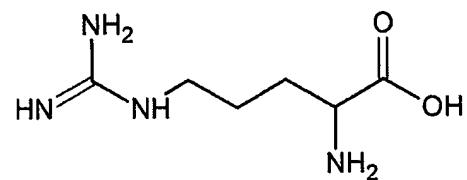
3. Use according to claim 1 or 2 wherein the one or more optically active amino acid acids and/or esters thereof of formula (I) are selected from the group of compounds consisting of:

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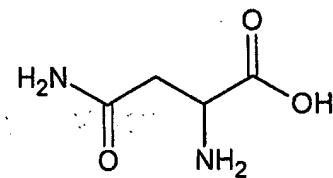




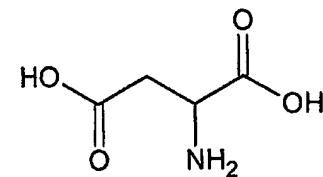
amino butyric acid (Abu),



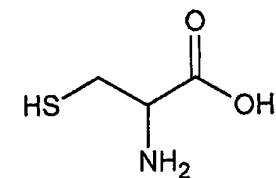
arginine (Arg),



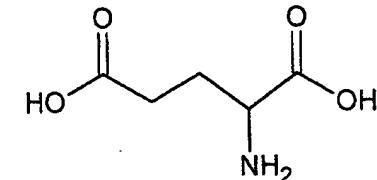
asparagine (Asn),



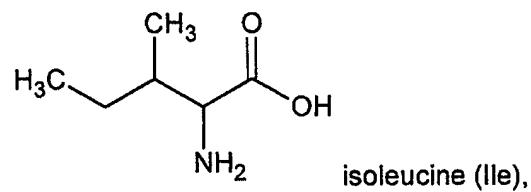
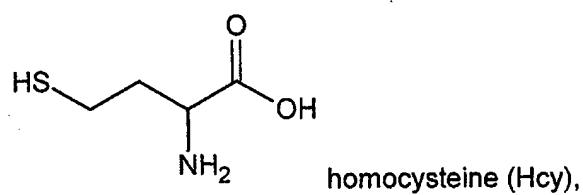
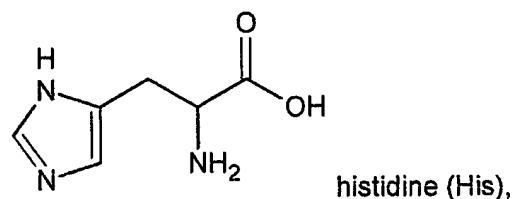
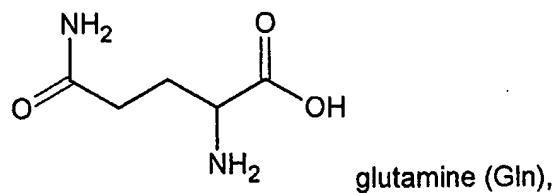
aspartic acid (Asp),



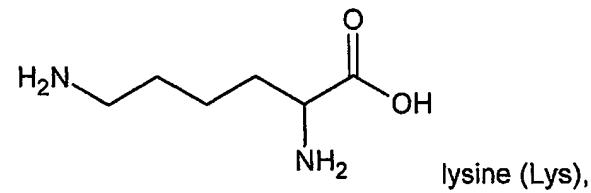
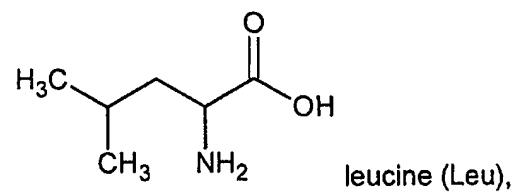
5 cysteine (Cys),

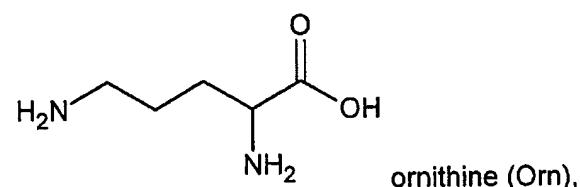
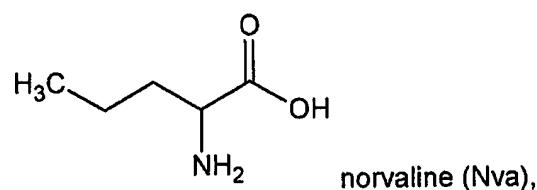
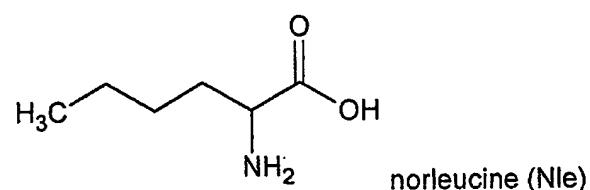
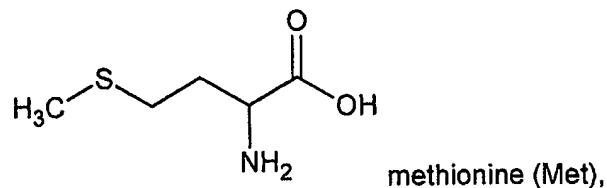


glutamic acid (Glu),

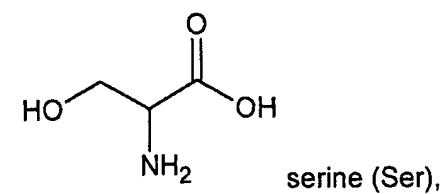
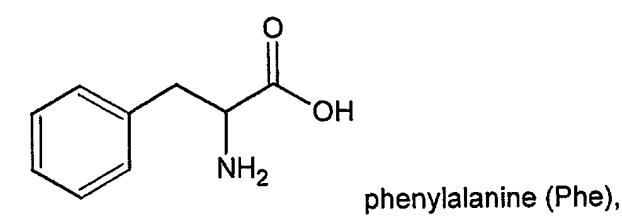


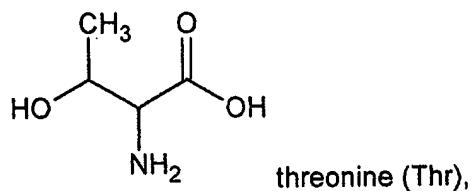
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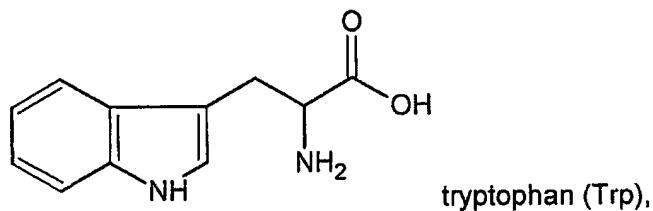


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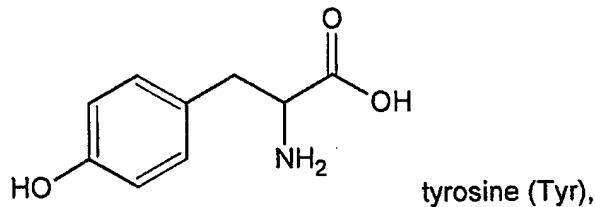




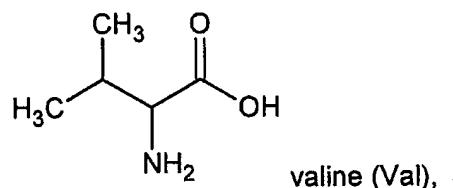
threonine (Thr),



tryptophan (Trp),



tyrosine (Tyr),



5 ester derivatives and salts thereof.

4. Use according to any one of claims 1-3 wherein if R₁ and/or R₂ is a hydrocarbyl independently selected from the group consisting of linear, cyclic or branched, substituted or unsubstituted, saturated or unsaturated, optionally hetero atom-containing, C₁-C₂₄ alkyl, aryl, aralkyl, and alkenyl, preferably the group consisting of linear or branched C₁-C₂₄ alkyl, more preferably from the group consisting of linear or branched C₁-C₄ alkyl, and most preferably the hydrocarbyl is a methyl or ethyl group.

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5. Use according to any one of claims 1-4 wherein if R_3 is a hydrocarbyl, the hydrocarbyl is selected from the group consisting of linear, cyclic or branched, substituted or unsubstituted, saturated or unsaturated, optionally hetero atom-containing C_1 - C_{25} alkyl, aryl, aralkyl, and alkenyl, more preferably R_3 is selected from the group consisting of linear or branched, substituted or unsubstituted, optionally hetero atom-containing C_1 - C_{25} alkyl, even more preferably from the group consisting of linear or branched, substituted or unsubstituted C_1 - C_8 alkyl, ether and/or, optionally esterified, C_1 - C_8 (poly)alkoxy, and most preferably from the group consisting of linear C_1 - C_4 alkyl and, optionally alkoxylated, linear C_1 - C_4 alkoxy.
- 10
6. Use according to any one of claims 1-5 wherein the coating composition is an isocyanate based coating composition.
- 15
7. Use according to any one of claims 1-5 wherein the coating composition is an acryloyl based coating composition.
- 20
8. Use according to any one of claims 1-5 wherein the coating composition is an epoxy curable coating composition.
9. Use according to any one of claims 1-5 wherein the coating composition is a dual curable coating composition.
- 25
10. Use according to any one of claims 1-5 wherein the coating composition is a isocyanate-reactive two-component (2K) coating system that is cured with one or more polyol compounds, thiol compounds and/or amine-functional

compounds, at a temperature of at least 25°C and below 150°C, preferably below 100°C.

11. Use according to any one of claims 1-10 further including the step of applying a coating film of the coating composition onto a substrate before said coating film
5 is cured.
12. Coating compositions comprising a binder and the rheology modification agent according to any one of claims 1 – 11.
- 10 13. Coating compositions that are obtainable by using a rheology modification agent in accordance with any one of claims 1-11.